



Jim Doyle, Governor
Mary P. Burke, Secretary

September 15, 2006

ACORN VAC INC
LAURA MARSHALL
13818 OAKS AVE
CHINO CA 91710-7008

ACORN VAC INC.
IKE LORETO
13818 OAKS AVE.
CHINO CA 91710-7008

Re: Description: VACUUM, SYSTEM ALTERNATE PLUMBING
Manufacturer: ACORN VAC INC.
Product Name: VACUUM PLUMBING SYSTEM
Model Number(s): NONE
Product File No: 20040325

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. Comm 82.30 and 82.31 based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of September 2011.**

This alternate approval is contingent upon compliance with the following stipulation(s):

- Vents serving sinks trapped and vented in accordance with Comm 82.31 and 82.32 and that discharge to this alternate system shall terminate in accord with Comm 82.31 (16). This vent system shall terminate separately from vent system(s) serving plumbing fixtures and appliances that do not discharge to the vacuum central system.
- Plumbing installations discharging greasy waste as outlined in Comm 82.34 (5) shall have the required waste water treatment or interception equipment installed upstream of the accumulator. At least one vent to atmosphere is required to serve the drain system upstream of the waste water treatment device. This vent shall not connect to any other vent system serving plumbing fixtures or appliances that do not discharge to the vacuum central system. The greasy waste system shall discharge to the accumulator by means of an air gap or break while ensuring that no open connections exist on the greasy waste system within the occupancy.
- Drains serving below grade floor drains (ref: figure Fig. 24 page 5.3 of manual) and approved receptors of indirect waste shall be designed in accord with the provisions of the manufacturer and Comm 82.33 prior to connection with the site constructed accumulator.
- Ensure that indirect and local waste piping installed upstream of the accumulators is installed in accord with the provisions of Comm 82.33 while observing all manufacturer required air intakes for the accumulators.
- The piping must be supported in accordance with s. Comm 82.60 of the Wisconsin Administrative Code and manufacturers requirements.
- Written approval for the plumbing plans shall be obtained from the department for each installation of this system.
- The entire system must be designed and installed in accordance with the Acorn Vac Inc. "Design Manual for Supermarkets", dated Rev. Sept. 21, 2006 and the requirements and recommendations of this approval. If there is a conflict, the department approval stipulations will take precedence.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Michael J. Beckwith, CIPE
Plumbing Product Reviewer
phone: 608-266-6742
fax: 608-267-9566
e-mail: mike.beckwith@wi.gov